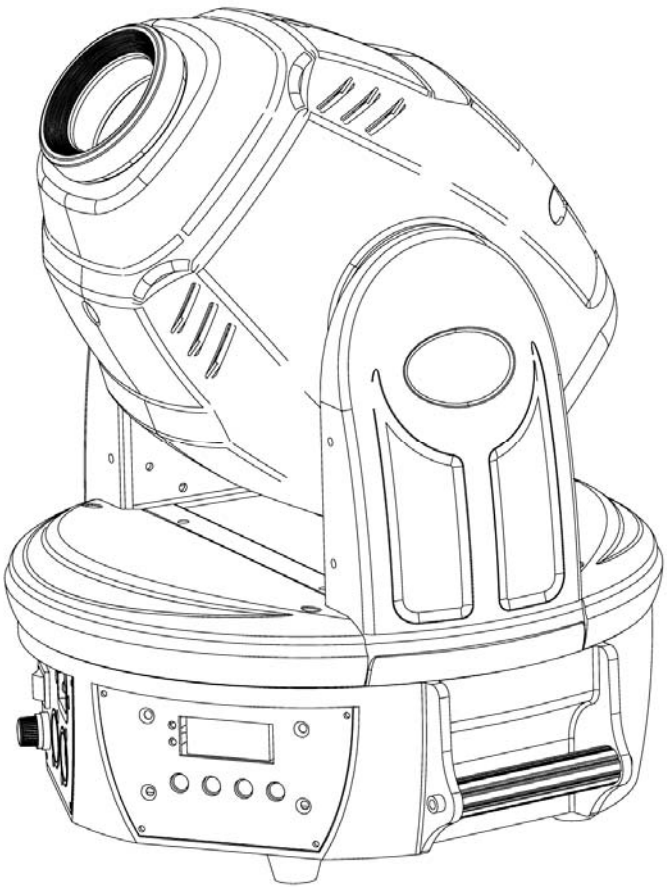
LED Mini Moving head light

30w White LED ,
30w RGB LED,
60w White LED(C) ,
60w White LED(C) with prism ,
60w White LED(F) ,
60w White LED(F) with prism ,



USER MANUAL

Ver1.0

Table of contents

1. Before you begin 2

1.1 Packing list 2

1.2 Unpacking instructions 2

1.3 AC Power 2

1.4 Safety instructions 2

2. Introduction 3

2.1 Description of the fixture 3

2.2 Features 3

2.3 DMX channel 4

3. Setup 4

3.1 Fuse replacement 4

3.2 Fixture linking 4

Data cabling 5

DMX data cable 5

3.3 3-Pin to 5-Pin conversion chart 5

3.4 Setting up a DMX serial data link 5

3.5 Master/Slave fixture linking 6

3.6 orientation 6

4. Operating instructions 6

4.1 Navigating the control panel 6

4.2 Menu map 6

4.3 User configurations 7

Setup singl-desk light`s autotocephaly moving mode(self-motion move) 7

Setup singl-desk light`s autotocephaly moving mode(sound control) 7

Master/slave mode(master sound,master auto) 7

To set the pan to invertion or non-inverting 7

To set the tilt to invertion or non-inverting 7

To set the LED readout to inverting or non-inverting 7

resume reverter windows default 7

DMX mode 7

4.4 DMX channel values 8

5. Technical specifications 9

Note: The manufacture reserves the product upgrades, updates power.

1. Before you begin

1.1 Packing list

Product name	quantity
Mini moving head light	1 pcs
Signal cable	1 base
Power -line	1 base

1.2 Unpacking instructions

Immediately upon receriving a fixture, carefully unpack the carton, check the contents to enrure that all parts are present, and have been received in good condition. Notlfy the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shous sings of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory , it is important that the fixture be returned in the original factory box and packing.

1.3 AC Power

To determin the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or refer to the fixtures specifications chart. A fixtures listed current rating is its average current draw under normal conditions. All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat(variable resisto) or dimmer circuit, even if the rheostat or dimmer source voltage matches the fixtures requirement. Check the fixture or device carefully to make sure that if a voltage selection switch exsits that it is set to the correct line voltage you will use.

Warning! Verify that the voltage select switch on your unit matches the line voltage applied. Damage to your fixture may rosult if the line voltage applied does not match the voltage indicated on the voltage selector switch. All fixtures must be connected to circuits with a suitable Earth ground.

1.4 Safety instructions

Pleese read these instructions cy, it includes important information about the installation, usage and mantenance of this product.

Please keep this user guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Always make sure that you are connecting to the proper voltage, and that the line voltage you are connectiong to is not higher than that stated on the decal or rear panel of the fixture.

This product is intended for indoor use only!

To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable materials close to the unit while opearating.

The unit must be installed in a location with adequate ventilation, at least

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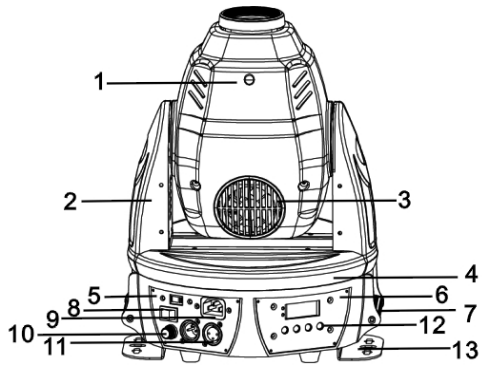
20in(50cm) from adjacent surfaces. Be sure that no ventilation slots are blocked. Always disconnect from poer source before servicing or replacing fuse and be sure to repalce with same fuse size and type.
Secure fixture to fastening device using a safety chain. Never carry the fixture solely by its heda. Use its carrying handles.
Maximum ambient temperature (Ta) is 104℉(40℃). Do not operate fixture at temperatures higher than this.
In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskiiled people can lead to damage or malfunction. Plesse contact the nearest authorized technical assistance center. Always use the same type spare parts.
Don't connect the device to a dimmer pack.
Make sure the power cord is never crimped or damaged.
Never disconnect the power cord by pulling or gugging on the cord.
Avoid direct eye exposure to the light source while it is on.

2. Introduction

2.1 Description of the fixture



1.Moving head
2.Yoke
3.Fan
4.Base
5.Base panel
6.Display panel
7.Handle
8.Power switch
9.Power cord
10.Fuse holder
11.3 pin DMX output & input
12.Function Button
13.Hook

2.2 Features

Specification	***30w RGB LED***	***30w White LED***	***60w White LED(C)***	***60w White LED(C) with prism***	***60w White LED(F)***	***60w White LED(F) with prism***
LEDs	RGB LED	White LED	White LED(C)		White LED(F)	
DMX channal	13	11		12	11	12
Color wheel	No	7 colors+open,raindow effect.				
Gobo wheel	6 gobos +open,gobo wheel spin effect.					
Dimmer	0-100%					
Focus	Yes	No	No			
Prism	No			Yes	No	Yes

Note: The manufacture reserves the product upgrades, updates power.

Strobe	Variable electronic strobe.
Control	Auto-running,Master/slave mode,DMX.
LED display	LED display menu with invert.
Pan/Tilt	Pan 630°,Tilt 240°,Pan /Tilt speed from fast to slow.
Reset	Yes
Fan cool	Yes

2.3 DMX channel

Channel	Function		
	30w White LED , 60w White LED(C), 60w White LED(F)	***30w RGB LED***	***60w White LED(C) with prism , 60w White LED(F) with prism***
1	Pan	Pan	Pan
2	Tilt	Tilt	Tilt
3	Color wheel	Focus	Color wheel
4	Gobo wheel	Gobo	Gobo wheel
5	Gobo rotating	Gobo rotationg	Gobo rotating
6	Strobe	Strobe	Strobe
7	Dimmer	Red	Dimmer
8	Pan /tilt speed	Green	Prism
9	Pan fine	Blue	Pan /tilt speed
10	Tilt fine	Pan /tilt speed	Pan fine
11	Reset	Pan fine	Tilt fine
12	-	Tilt fine	Reset
13	-	Reset	-

3. Setup

Disconnect the power cord before replacing a fuse and always replace with the same type fuse.

3.1 Fuse replacement

With a flat head screwdriver wedge the fuse holde out of its housing. Remove the damaged fuse from its holder and replace with exact same type fuse. Insert the fuse holder back in its place and reconnect power.

3.2 Fixture linking

You will need a serial data link to run light shouw of one or more fixtures using a DMX-512 controller or to run synchronized on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Note: The manufacture reserves the product upgrades, updates power.

Maximum recommended serial data link distance:500 meters(1640ft).
Maximim recommended number of fixtures on a serial dqta link:32 fixtures.

Data cabling

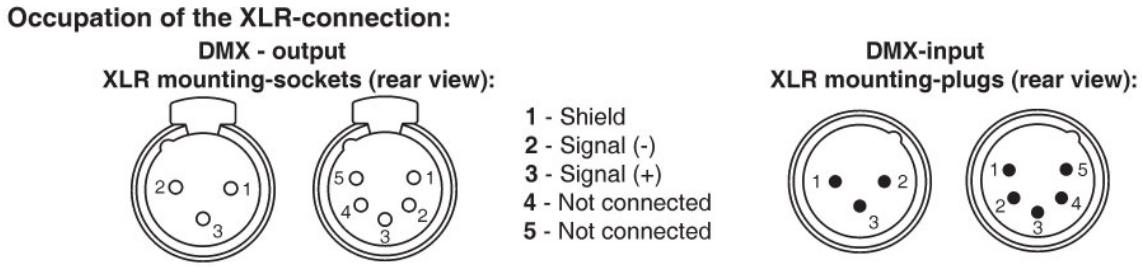
To link fixtures together you must obtain data cables. If you choose to craete your own cable pleae use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

DMX data cable

Use a belden 9841 or equivalent cable which meets the specifications for EIA RS-485 applications. Standard microphone cables cannot transmit DMX datat reliably over long distances. The cable will have the following characterstics:
2-conductor twisted pair plus a shield.
maximum capacitance between conductors-30 pF/ft.
maximum capacitance between conductor and shield -55 pF/ft.
mavimum resistance of 20 ohms/1000ft.
nominal impedance 100-140 ohms.

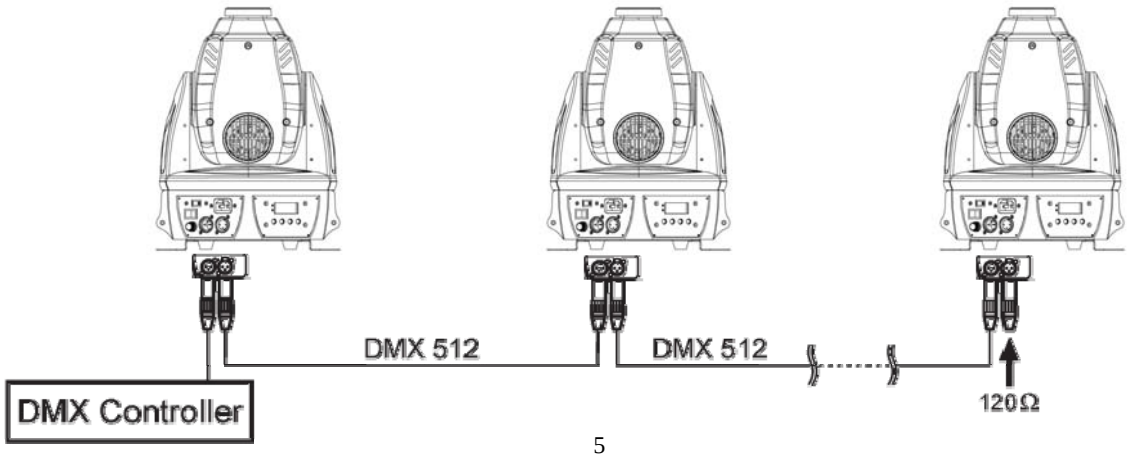
3.3 3-Pin to 5-Pin conversion chart

Note! If you use a controller with a 5 pin DMX output connetor. you will need to use a 5pin to 3 pinasapter
CHAUVET Model No:DMX5M. orDMX 5F
The chart below details a proper cable conversion:



3.4 Setting up a DMX serial data link

at first link the first light and DMX control through XLR-conncetion signal cable,then devoluted the light in series ,as the follow



Note: The manufacture reserves the product upgrades, updates power.

3.5 Master/Slave fixture linking

1.Connect the (male) 3 pin connector side of the DMX cable to the output (female)3pin connector of the first fixture.

2.Connect the end of the cable coming from the first fixture which will have a (female)3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

3.In the process of AU01 "menu", "AU02" and "SNON" ,it can run master/slave function.

3.6 orientation

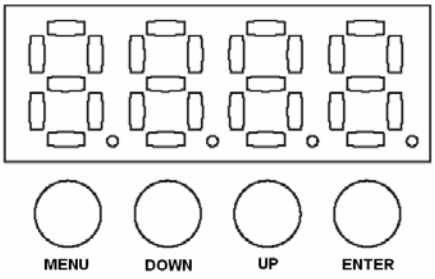
This fixture may be mounted in any position provided there is adequate room for ventilation.

4. Operating instructions

4.1 Navigating the control panel

Access control panel functions using the four panel buttons located directly underneathe the LCD Display.

Button	Function
<MENU>	Used to access the menu or return to a previous menu option.
<DOWN>	Scrolls through menu options in descending order.
<UP>	Scrolls through menu options in ascending order.
<ENTER>	Used to select and store the current menu or option within a menu.



. When a menu function is selected, the display will show immediately the first available option for the selected menu function. To select a menu item, press<ENTER>.

Press the <MENU> button repeatedly until you reach the desired menu function. Use the <UP> and <DOWN> buttons to navigate the menu options. Press the <ENTER> button to select the menu function currently displayed, or to enable a menu option. To return to the previous option or menu without changing the value, press the <MENU> button.

No alteratived worth that return re-option or menu , press(MENU)button

4.2 Menu map

RPON(address code setting from A001-------A512)

AU01(auto-moving speediness) **AU02**(slow speed auto-moving)

Note: The manufacture reserves the product upgrades, updates power.

SNOF(Sound control)

SNON(on Sound control)

RPOF(Set tilt to non-inverting)

RPON(setting pan circumrotate reverse)

RTOF(set the LED readout to inverting)

RTON(setting tilt circumrotate reverse)

RDOF(set the LED readout to non-inverting)

DFON (default output setting)

Note： output default setting address code is A001, pan is positive circumrotate、tilt is positive circumrotate、LED positively reveal.

4.3 User configurations

Setup singl-desk light`s autotocephaly moving mode(self-motion move)

.Press the **MENU** untill it shows **AU01**

.Use the **UP/DOWN** buttons to set to **AU01** or **AU02 ,**Press **ENTER** to confirm.

Setup singl-desk light`s autotocephaly moving mode(sound control)

.Press the Mode button untill it shows **SNOF** .

.Use the **UP/DOWN** buttons to set to **SNOF**,press **ENTER** to confirm.

Master/slave mode(auto-running、sound control)

.This mode will allow you to link up 32 units together without a controller.

.Use standard DMX cables to daisy chain your untils together via the DMX connector on the rear of the units.Proper performance it may be necessary to use a terminator at the last fixture. For more information about terminators..

.Choose a unit to function as the Master.Select NAFA/NASL OR NStS (see below for readout)depending upon which master mode your require. The master until must be the first until in line.Finally ,chain the units together using DMX cable.

To set the pan to invertion

.Press the **MENU** untill it shows **RPOF**.

.Use the **UP/DOWN** buttons shows **RPON**, press **ENTER** to confirm.

To set the tilt to invertion

.Press the **MENU** untill it shows **RTOF**

.Use the **UP/DOWN** buttons shows **RTON**, press **ENTER** to confirm.

To set the LED readout to inverting or non-inverting

.Press the **MENU** untill it shows **RDOF.**

.Use the **UP/DOWN** buttons shows **RTON**, press **ENTER** to confirm.

Resume reverter windows default

.Press the **MENU** untill it shows **DFON**.

.press **ENTER** to confirm。

Note: The manufacture reserves the product upgrades, updates power.

DMX mode

This mode allows the until to be controlled by any universal DMX controller. The default mode for the fixture is DMX, as follow.

4.4 DMX channel values

Channel			Value	Function
30w White LED, 60w White LED(C), 60w White LED(F)	***30w RGB LED***	***60w White LED(C) with prism, 60w White LED(F) with prism***		
1	1	1	0-255	**Pan** pan circumrotate 630°
2	2	2	0-255	**Tilt** Tilt circumrotate 240°
3	-	3	0-7 8-15 16-23 24-31 32-39 40-47 48-55 56-63 64-71 72-79 80-87 88-95 96-103 104-111 112-119 120-127 128-192 193-255	**Color wheel** Open/White White+Color1 Color 1 Color 1 +Color 2 Color 2 Color 2+Color 3 Color 3 Color 3+Color 4 Color 4 Color 4 +Color 5 Color 5 Color 5+Color 6 Color 6 Color 6+Color7 Color 7 Color 7+White Color wheel positive turn , Speed from fast to slow Color wheel reversal speed increase fast
4	4	4	0-17 18-36 37-55 56-74 75-93 94-112 113-127 128-192 193-255	**Gobo wheel** Open/White Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo wheel positive turn, Speed from fast to slow Gobo wheel reversal speed increase fast
5	5	5	0 1-127 128-255	**Gobo auto-running** No Gobo wheel positive turn, Speed from fast to slow Gobo wheel reversal speed increase fast
6	6	6	0	**Strobe** No

Note: The manufacture reserves the product upgrades, updates power.

			1-255	Slow--fast
7	-	7	0-255	**Dimmer** 0-100%
8	10	9	0 1-255	**Pan /tilt speed** Most speed Speed from fast to slow
9	11	10	0-255	**Pan fine** Pan fine 16bit
10	12	11	0-255	**Tilt fine** Tilt fine 16bit
11	13	12	0-149 150-200	**Reset** No reset(delay 3 second)
-	-	8	0-12 13-255	**Prism** No Prism
-	3	-	0 1-255	**Focus** No Focus
-	7	-	0-255	**Red** 0-100%
-	8	-	0-255	**Green** 0-100%
-	9	-	0-255	**Blue** 0-100%

5. techno-specifation iuminllate

Specification	*30w RGB LED*	*30w White LED*	*60w White LED(C)*	*60w White LED(C) with prism*	*60w White LED(F)*	*60w White LED(F) with prism*
Power supply	110 -245V 50/60Hz					
Power consumption	72W		102W	110W	102W	110W
LED(s)	14.5V 2.1A		17.5V 3.35A		13.8A	
Fuse	5/2A，Φ5×20mm					
Pan	630°,16bit fine					
Tilt	240°,16bit fine					
Tiptop environment temperature	104°F(40°C)					
Date input/output	3pin XLR-conntion、anlde socket					
Outside size	280×280×370mm (L×W×H）					
N.W	7.7kg		7.55kg	7.7kg	6.7kg	6.85kg
Packing size	630×380×400mm(L×W×H）(2pcs/package)					
G.W(2pcs/package)	17.15kg		16.85kg	17.15kg	15.15kg	15.45kg

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